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Evorinea canarica sp. nov., a new species from the Canary Islands (Coleoptera: Dermestidae: Trinodinae)

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Keywords:

Coleoptera; Dermestidae; Trinodinae; *Evorinea*; taxonomy; new species; description; faunistic; new records; Canary Islands.

Abstract. – *Evorinea canarica* **sp. nov.**, a new species from the Canary Islands is decribed, illustrated and compared with the similar species *Evorinea flava* (Motschulsky, 1863) and *Evorinea bicolorata* (Pic, 1939). The genus *Evorinea* Beal, 1961 is recorded for the first time from the Canary Islands.

Háva J. & Klejdysz T., 2025. – *Evorinea canarica* **sp. nov.**, a new species from the Canary Islands (Coleoptera: Dermestidae: Trinodinae). *Faunitaxys*, 13(26): 1 – 4.

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Introduction

The family Dermestidae (skin and hide beetles) is being currently extensively studied. The genus *Evorinea* Beal, 1961 belongs to the subfamily Trinodinae and currently contains 16 species distributed in the Oriental, Palaearctic, Afrotropical and Australian Regions (Háva 2016, 2025).
The present paper considers the recent preceding taxonomical publications on the species *Evorinea* (Háva 2005, 2016, Herrmann et al. 2011). In the present paper, a new species from the Canary Islands is described. This is first record of Trinodinae and the genus *Evorinea* from the Canary Islands.

Material and methods

The following measurements were made (in mm):

total length (TL) - linear distance from anterior margin of head to apex of elytra.

elytral width (EW) - maximum linear transverse distance.

Nomenclature and systematics in this paper follow Motyka et al. (2022) and distributions follow Háva (2025).

The following abbreviation refers to the collection, in which the examined materials are deposited:

JHAC: Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

The type specimen was provided with a red label: "HOLOTYPE *Evorinea canarica* sp. nov. J. Háva & T. Klejdysz det. 2025".

Results

Evorinea canarica sp. nov.

(Fig. 1-4, 7-8)

ZooBank: https://zoobank.org/ACF4574B-5A13-45D9-AD31-7111A7C9834F

Holotype, ♀, Canary Is., Gran Canaria, Maspalomas, Parque Botanico, lat/lon: 27.75919, -15.58600, 17.12.2024, ex larva, T. Klejdysz leg., (JHAC).

Other material studied: 5 spec. larvae and 1 exuvia labelled: same data as holotype (JHAC).

Description of the holotype

Body. – Small and oval, brown, more or less shiny (Fig. 1). Body TL 1.8, EW 1.2.

Head. – Brown, coarsely punctate, sparsely covered with long, erect intermixed light brown and white setae; the punctation is partly indistinct. Palpomeres light brown. Eyes large with hardly visible, short and erect microsetae. Ocellus present on frons. Antennae yellow, with 11 antennomeres (Fig. 3).

Pronotum. – Brown, shiny, sparsely and coarsely punctate (some finer punctures are intermixed), covered sparsely with erect, long white setae; density of punctures and setation increases towards the lateral margins; pronotal lateral margins smooth, untoothed; prominent sublateral carina on each side, subparallel to lateral margin.

Scutellum. – Triangular, without any setae or punctuation, brown and shiny.

Elytra. – Shiny light brown with a dark V-shaped area near scutellum, covered sparsely by long, erect white setae, punctures similar to the pronotum, lateral margins smooth, untoothed; humeri with a small distinct bump. Epipleura light brown, sparsely punctured, without setation.

Legs. – Entirely brown, sparsely covered with suberect, short light brown setae.

Reviewer: Andreas Herrmann (*Germany*) - https://zoobank.org/64D7C64F-F16C-4BAB-9BE3-B8B65D1FACDB

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Mesosternum. – Brown, finely punctate, with a few recumbent, long white setae.

Metasternum. – Brown, sparsely punctate, with a few recumbent, long white setae.

Abdominal ventrites. – Brown, finely punctate, sparsely covered with recumbent white setae.

Male. – Unknown.

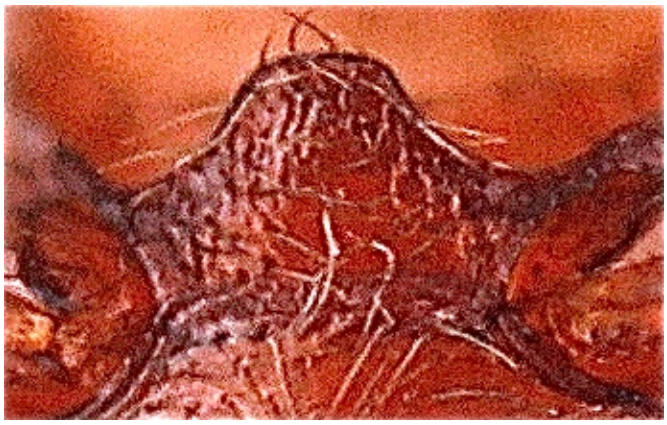
Differential diagnosis. –The new species is very similar to *Evorinea flava* (Motschulsky, 1863) and *Evorinea bicolorata* (Pic, 1939) but differs from them by the characters mentioned in key.

Bionomy. – Larvae were collected from under a tree. They were feeding inside the dry fruit in which the larvae of three other species of beetles also lived (Anthribidae: *Araecerus fasciculatus* (DeGeer, 1775); Ptinidae: *Lasioderma serricorne* (Fabricius, 1792), *Ozognathus cornutus* (LeConte, 1859)) and adults of those beetles have been reared from larvae. Larvae of *Evorinea canarica* **sp**. **nov**. probably could feed on larval moults or other body fragments of insects living in the same microhabitat. The adult was hatched from the pupa 7.4.2025.

Larva and pupa. – The larva (Fig. 7) (TL: 1.3-1.5 mm) are reminiscent of the larvae of *Trinodes*, being broadly obovate and densely spinose. Body short and stout, dorsum sclerotized (however pronotum seems to be weakly sclerotized), light brown; venter yellowish-brown and rather unsclerotized. Body with many dark brown spicisetae mainly of two forms: long stout spicisetae and round-head setae. Head free, hypognathous and subglobular;

1

2



4

3

Fig. **1**-**4**. *Evorinea canarica* **sp**. **nov**.

1. Habitus, dorsal aspect. **2**. Habitus, ventral aspect.
3. Antenna of female. **4**. Mesosternum.

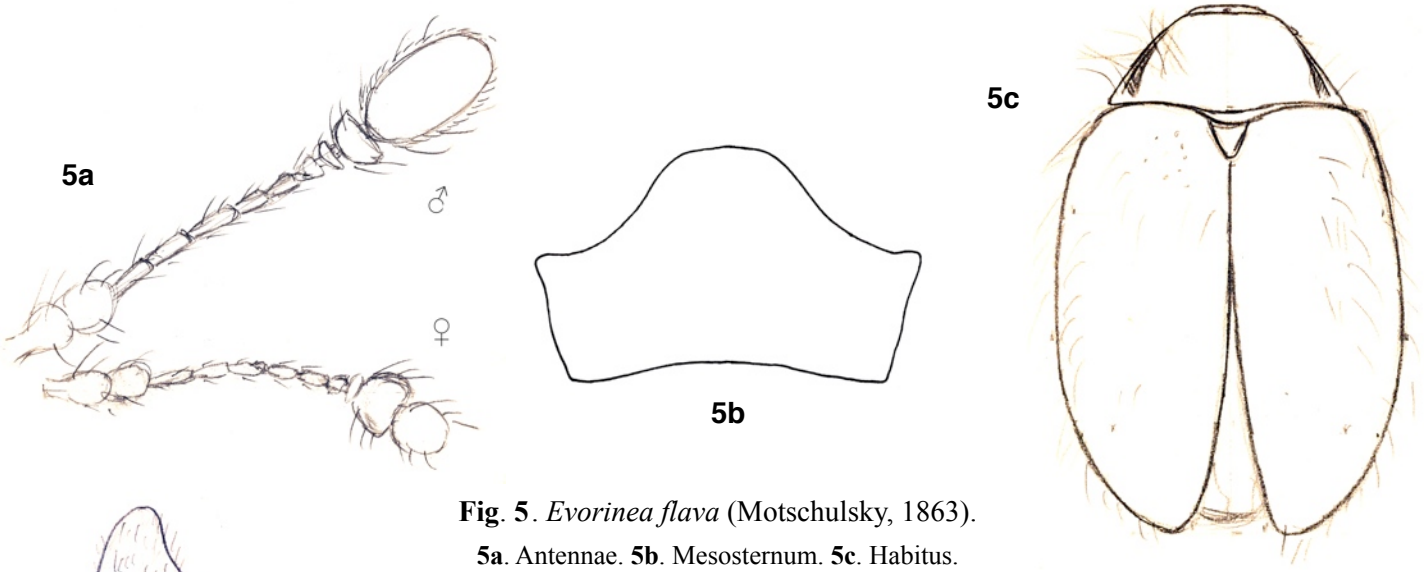


Fig. **5**. *Evorinea flava* (Motschulsky, 1863).
5a. Antennae. **5b**. Mesosternum. **5c**. Habitus.

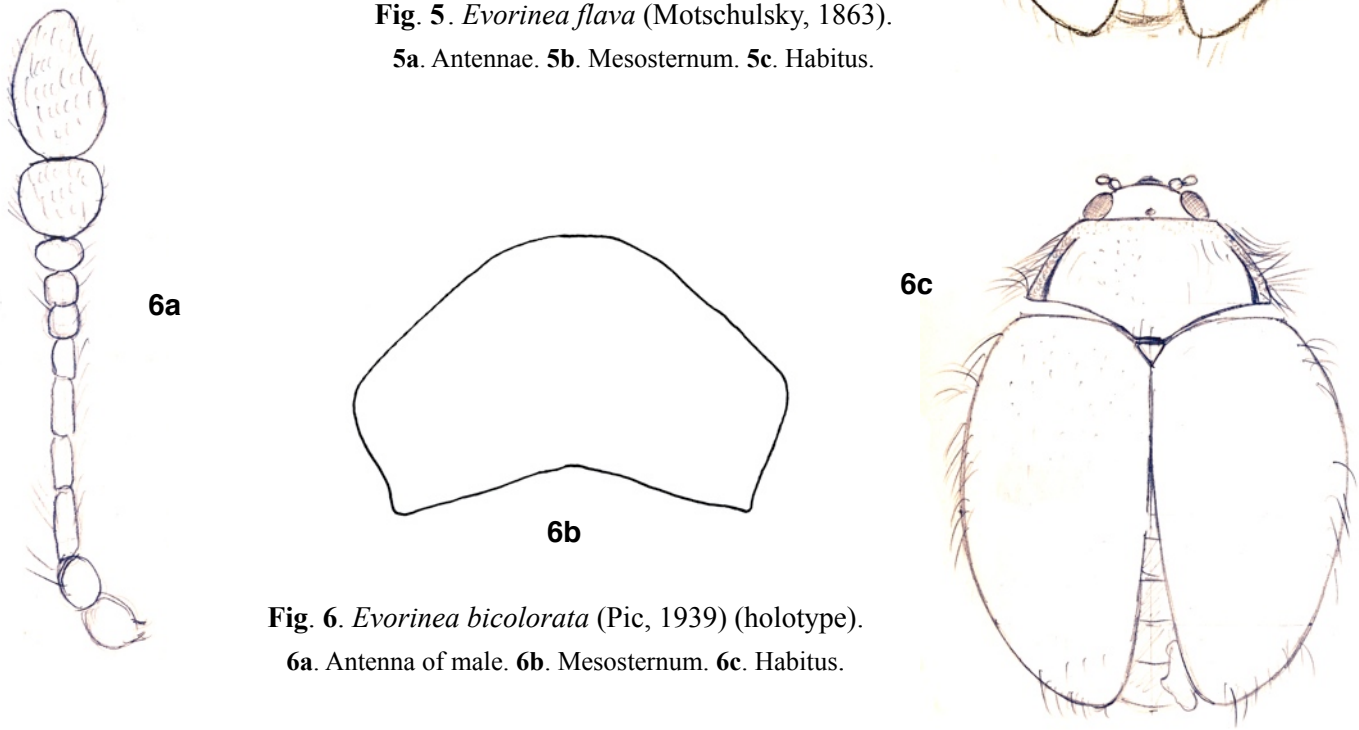


Fig. **6**. *Evorinea bicolorata* (Pic, 1939) (holotype).
6a. Antenna of male. **6b**. Mesosternum. **6c**. Habitus.

Fig. **7**-**8**. *Evorinea canarica* **sp**. **nov**.
7. Larva. **8**. Pupa (in left) and exuvium of the last larva stage in which the pupa was located (right).

Key to « yellow » Palaearctic species

1(2) Dorsal setation yellow; body oval, slender; antennae (Fig. 5a); mesosternum (Fig. 5b) (Chad; Egypt; Eritrea; Sudan; Tunis; Israel; Syria) . . . . . ***Evorinea flava*** (Motschulsky, 1863)

2(1) Dorsal setation white.

3(4) Dody oval, slender; antennae (Fig. 3); elytra with a dark V-shaped area near scutellum; mesosternum (Fig. 4) (Canary Isl.) . . . . . ***Evorinea canarica* sp**. **nov**.

4(3) Dody very broadly oval; antennae (Fig. 6a); elytra unicolorously yellow; mesosternum (Fig. 6b) (Egypt) . . . . . ***Evorinea bicolorata*** (Pic, 1939)

frons triangular; head bearing nudisetae only. Antennae 3-antennomered; antennomeres I and II short and subequal, II with a long accessory papilla, antennomere III with a short sensory seta. Epipharynx with 6 stout lanceolate setae. Maxillary palpomeres 4-segmented, labial palpomeres 3-segmented. Abdominal tergites VIII-IX with a row of spicisetae only. Sternites I-VII with spicisetae along posterior margin and sternite VIII with a pair of oval apertures surrounded anteriorly. Three pairs of 5-segmented legs visible; legs bearing short, erect setae. Pretarsal claw with two setae at base. Pupa as in Fig. 8.

Acknowledgements

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Authors contribution [1]

Publisher Correspondence. – HAV
Writing the article. – HAV & KLE
Description. – HAV
Article proofreading. – HAV
Bibliographic work. – HAV
Material study. – HAV & KLE
Author of the figures. – KLE & HAV

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Résumé

Háva J. & Klejdysz T., 2025. – *Evorinea canarica* **sp**. **nov**., une nouvelle espèce des Îles Canaries (Coleoptera : Dermestidae : Trinodinae). *Faunitaxys*, 13(26): 1 – 4.

Evorinea canarica **sp**. **nov**., une nouvelle espèce des Îles Canaries, est décrite, illustrée et comparée aux espèces proches *Evorinea flava* (Motschulsky, 1863) et *Evorinea bicolorata* (Pic, 1939). Le genre *Evorinea* Beal, 1961 est signalé pour la première fois des Îles Canaries.

Mots-clés. – Coleoptera, Dermestidae, Trinodinae, *Evorinea*, taxonomie, espèce nouvelle, description, faunistique, nouvelles données, Îles Canaries.

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SOMMAIRE

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Illustration de la couverture :

Le tajinaste est endémique strict de l'île de Ténérife, et présent sur toutes les cartes postales de l'archipel. Certains individus atteignent 3 m de haut. Ils poussent en colonies sur les flancs du volcan Teide et fleurissent quelques semaines en mai. A ne pas manquer pour qui visite les hauteurs de ce magnifique volcan.

Crédits:

Tomasz Klejdysz: Fig. 1-4 & 7-8.

Jiří Háva: Fig. 5-6.

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